

Product Datasheet

Histone H2AX [p Ser139] Antibody (9F3) - BSA Free NBP1-19255

Unit Size: 0.05 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-19255

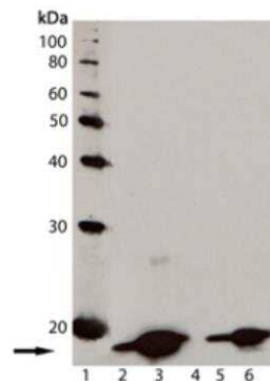
Histone H2AX [p Ser139] Antibody (9F3) - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	9F3
Preservative	0.09% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS (pH 7.2) and 50% Glycerol
Target Molecular Weight	15 kDa
Product Description	
Description	Licensed to Novus Biologicals LLC under U.S. Patent Nos. 6,362,317 and 6,884,873.
Host	Mouse
Gene ID	3014
Gene Symbol	H2AX
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Guinea Pig, Hamster, Primate, Rabbit, Sheep
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Marker	DNA Double-strand break marker
Specificity/Sensitivity	Specific to the portion of Human Histone H2AX phosphorylated at Ser139.
Immunogen	This Histone H2AX [p Ser139] Antibody (9F3) was developed against a synthetic phospho-peptide derived from the sequence of human Histone H2AX phosphorylated at Ser139.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunocytochemistry
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence, Immunocytochemistry
Application Notes	Use in Immunocytochemistry reported in scientific literature (PMID:33088425).



Images

Western Blot: Histone H2AX [p Ser139] Antibody (9F3) [NBP1-19255] - Analysis of Histone H2AX [p Ser139] antibody (9F3) Jurkat cell lysate; Lane 3: Jurkat cell lysate treated with staurosporine; Lane 4: 3T3 cell lysate; Lane 5: CHO-K1 cell lysate; Lane 6: Rat-2 cell lysate. Bands appear at an observed molecular weight of ~15 kDa.



Publications

Yang JH, Hayano M, Griffin PT et al. Loss of epigenetic information as a cause of mammalian aging Cell 2023-01-19 [PMID: 36638792] (Mouse)

Details:

See supplemental figure S1

Pal P, Hales K, Hales DB Increased Transient Receptor Potential Melastatin 8 Expression in the development of bladder pain in patients with Interstitial cystitis/Bladder Pain Syndrome Oncotarget 2020-10-10 [PMID: 33088425] (ICC, Human)

Yang J, Griffin P, Vera D et al. Erosion of the Epigenetic Landscape and Loss of Cellular Identity as a Cause of Aging in Mammals SSRN Journal 2019-10-03 (ICC/IF, Mouse)

Lee CF, Caudal A, Abell L et al. Targeting NAD⁺ Metabolism as Interventions for Mitochondrial Disease Sci Rep 2019-02-28 [PMID: 30816177] (WB, Mouse)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-19255

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-42464	Recombinant Human Histone H2AX His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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